

**Final     Minutes**  
**Sewage Handling & Disposal Advisory Committee Minutes**  
**May 18, 2007**

**In Attendance:**

*Members*

Tom Basham, Chairman  
Marcia Degen  
Bob Lee  
Pam Pruett, Recorder  
Rob Wadsworth

Don Alexander  
Bill Keeling  
Pat O'Hare  
Bill Timmons

*Guests*

Tom Ashton, American Manufacturing  
Phillip H. Dunn, VA Environmental Solutions  
Anish Jantrania, VDH-OEHS  
Bob Mayer, American Manufacturing  
Robert Savage, VA Environmental Solutions

John Aulbach, VDH-OEHS  
Ed Festa, Eco-Pure Inc  
Allen Knapp, VDH-OEHS  
Len Moore, Eco-Pure Inc  
Dave Tiller, VDH-OEHS

- A quorum for the meeting was recognized.
- The agenda was reviewed and approved subject to changing the date from May 25, 2007 to May 18, 2007.
- Minutes of the last meeting were not presented & therefore not reviewed.
- There were no “Old Business” items to discuss—the Regulations have become new business.
- The Polycomm was set up but was not connected to any outside viewers.
- Ed Festa and Len Moore with Eco-Pure provided a presentation on their product. Hand outs with testing data were provided to the committee members for review prior to the meeting. This company is based out of Ft. Myer, Florida. Eco- Pure is seeking approval of use of their product as a secondary treatment unit. Currently, Eco-Pure is approved for use in the following states: Alabama, Florida, Illinois, Iowa, New Jersey, New York, and Ohio. Eco-Pure is a peat based product that uses Canadian sphagnum peat moss to filter and treat sewage. Eco-Pure hopes to ultimately seek provisional approval for use with a reduced footprint absorption area. Average lifetime of the peat is estimated to be anywhere from 7 to 15 years Eco-Pure warrants the peat for 3 years. The system requires a maintenance regimen.

Bob Lee moved to recommend the committee accept use of the Eco-Pure treatment system as a secondary treatment device. Further, he recommended that the requirements for service as specified by NSF be attached with the approval. Rob Wadsworth seconded the motion. Discussion followed via Don Alexander that

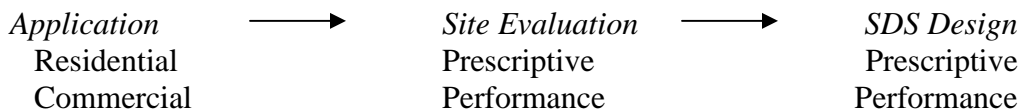
questioned whether the approval would be recommended for just the Sewage Handling & Disposal Regulations or if the Alternative Discharging Regulations would be included. The motion was amended by Bob Lee to include approval in the Alternative Discharging Regulations. The motion was seconded, again, by Rob Wadsworth. The motion passed the vote of the committee unopposed.

- Don Alexander advised that Anish Jantrania has been working on a illustrative glossary of terms. The glossary is a “living” manuscript that will serve as a multi-use document. It will also be provided to the Housing Commission for reference. Copies of the document were provided to the committee for review in advance on the meeting.

Tom Basham requested clarification of “permitted systems” in the document. Further he requested separation of the definitions vs possible applications in the document.

The committee was directed take the glossary home, read it, and comment by e-mail to Anish. Major revisions will be e-mailed to committee members.

- Dates for the remaining meetings in the year were set. They are:  
July 13, 2007  
October 19, 2007  
December 14, 2007.  
September 14, 2007  
November 9, 2007, and
- Don Alexander presented the latest Regulation Concepts. The following is a outline reproduction of the presentation:



## Applications

- Residential:
  - Eliminate Types I, II, and III Systems
  - Eliminate General, Provisional, and Experimental Systems
  - Focus on Certification Letters: Specify Area, Loading Rate, and Effluent Quality (Soil Criteria)
  - Construction Permit then documents certification letter compliance.
- Commercial:
  - Requires detailed application
  - Preliminary Engineering Conference Required
  - Operation Permit is tied to the Application
  - Role of Cert Letter vs Construction permit?

## Site Evaluations

- Prescriptive (Capacity of the site):
  - Match treatment level to receiving environment

- Establish loading rates
- Performance—Maximum Assimilative Capacity
  - Loading Rate based on Land area Available, Treatment, and Management of the system to meet a performance standard.
  - Authority? (Maybe none?)
  - Role of Counties—Caution Required

*System Design*

- Prescriptive
  - Design Manual
  - O&M Criteria by Classes of System
  - Monitoring Criteria by Classes of System
- Performance
  - No Design Criteria
  - Influent limits are established by the permit application
  - Individual O&M Requirements
  - Individual Monitoring Protocols

No motion was made on the presentation.

Meeting adjourned.

